

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/587,424
Filing Date	July 26, 2006
First Named Inventor	Fan Lu
Art Unit	1657
Examiner Name	Unassigned
Attorney Docket Number	55340-311395

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1.	US- 4,774,186	09/27/1988	Schaefer, Jr. et al.	
	2.	US- 6,579,714 B1	06/17/2003	Hirabayashi et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴ - Number ⁵ - Kind Code ⁶ (if known)				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	3.	ANG-LEE, M. et al., Herbal Medicines and Perioperative Care, JAMA, Vol. 286, No. 2, pp. 208-216, 2001.	
	4.	ESSER, M. et al., Cyanovirin-N Binds to gp120 to Interface with CD4-Dependent Human Immunodeficiency Virus type 1 Virion Binding, Fusion, and Infectivity but does not Affect the CD4 Binding Site on gp120 or Soluble CD4-Induced Conformational Changes in gp120, Journal of Virology, Vol. 73, No. 5, pp. 4360-4371, 1999.	
	5.	GOLAKOTI, T. et al., Structure Determination, Conformational Analysis, Chemical Stability Studies, and Antitumor Evaluation of the Cryptophycins. Isolation of the 18 New Analogs from Nostoc sp. Strain GSV 224, J. Am. Chem. Soc., Vol. 117, pp. 12030-12049, 1995.	
	6.	GONZALEZ, R. et al., Anti-Inflammatory Activity of Phycocyanin Extract in Acetic Acid-Induced Colitis in Rats, Pharmacological Research, Vol. 39, No. 1, pp. 55-59, 1999.	

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TG/

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/587,424
Filing Date	July 26, 2006
First Named Inventor	Fan Lu
Art Unit	1657
Examiner Name	Unassigned
Attorney Docket Number	55340-311395

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	7.	JAKI, B. et al., New Antibacterial Metabolites from the Cyanobacterium Nostoc Commune (EAWAG 122b), J. Nat. Prod., Vol. 63, pp. 1283-1285, 2000.	
	8.	HUANG, Z. et al., Studies on Polysaccharides from Three Edible Species on Nostoc (Cyanobacteria) with Different Colony Morphologies: Comparison of Monosaccharide Compositions and Viscosities of Polysaccharides from Field Colonies and Suspension Cultures, J. Phycol., Vol. 34, pp. 962-968, 1998.	
	9.	LIU, X. et al., Cell Differentiation and Colony Alteration of an Edible Terrestrial Cyanobacterium Nostoc Flagelliforme, in Liquid Suspension Cultures, Folia Microbiol., Vol. 48, No. 5, pp. 619-626, 2003.	
	10.	MUNDT, S. et al., Biochemical and Pharmacological Investigations of Selected Cyanobacteria, Int. J. Environ. Health, Vol. 203, pp. 327-334, 2001.	
	11.	MURAKAMI, M. et al., Microviridins, Elastase Inhibitors from the Cyanobacterium Nostoc Minutum (NIES-26), Phytochemistry, Vol. 45, No. 6, pp. 1197-1202, 1997.	
	12.	de PHILIPPIS, R. et al., Exocellular Polysaccharides from Cyanobacteria and their Possible Applications, FEMS microbiology Reviews, Vol. 22, pp. 151-175, 1998.	
	13.	PICCARDI, R. et al., Bioactivity in Free-Living and Symbiotic Cyanobacteria of the Genus Nostoc, Journal of Applied Phycology, Vol. 12, pp. 543-547, 2000.	
	14.	QIU, B. et al., Distribution and Ecology of the Edible Cyanobacterium Ge-Xian-Mi (Nostoc) in Rice Fields of Hefeng County in China, Journal of Applied Phycology, Vol. 14, pp. 423-429, 2002.	
	15.	SCHERER, S. et al., Novel Water Stress Protein from a Desiccation-Tolerant Cyanobacterium, Journal of Biological Chemistry, Vol. 264, No. 21, pp. 12546-12553, 1989.	
	16.	SMITH, C. et al., Cryptophycin: A New Antimicrotubule Agent Active against Drug-Resistant Cells, Cancer Research, Vol. 54, pp. 3779-3784, 1994.	
	17.	TAKENAKA, H., Safety Evaluation of Nostoc Flagelliforme (Nostocales, Cyanophyceae) as a Potential Food, Food and Chemical Toxicology, Vol. 36, pp. 1073-1077, 1998.	
	18.	Patent Cooperation Treaty, International Search Report, International Application No. PCT/US05/03314, mailed October 2, 2007.	

Examiner Signature	/Tiffany Gough/	Date Considered	03/11/2009
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.